Supreme Allied Commander Transformation

TIDE

Transforming towards
Information superiority
Decision superiority and
Execution superiority

Network Enabling the Alliance

Statement A: Approved for public release; distribution is unlimited

Allied Command Transformation

NATO's forcing agent for change

Leading the continuous improvement of Alliance capabilities to uphold NATO's global security interests

A New World

Terrorism

NATO Reorganization

Asymmetrical Threats

NATO Expansion

WMD

Rapid Reaction Forces

Joint

Coalition

Global Reach

NGOs

Transformation

Joint Deployment & Sustainment

Effects Based Planning

Effective Engagement

Effects Based Operations

Network Centric

Network Enabled

Information Superiority

Horizontal & Vertical Integration

Decision Superiority

NATO's New Ambition

Rapid Reaction Forces

=

Rapid **Information Processing**
Rapid **Decision Making**
Rapid **Execution**

Information Collection Process

Information Systems

Raw Data

Interfacing
Parsing
Mapping
Translating
Correlating
Routing
Filtering
Summarizing
Calculating
Grouping

Information

Right Information
Right Format
Right Person
Right Place
Right Time

Automated Processes

Interoperability

Decision Making Process

Decision Making

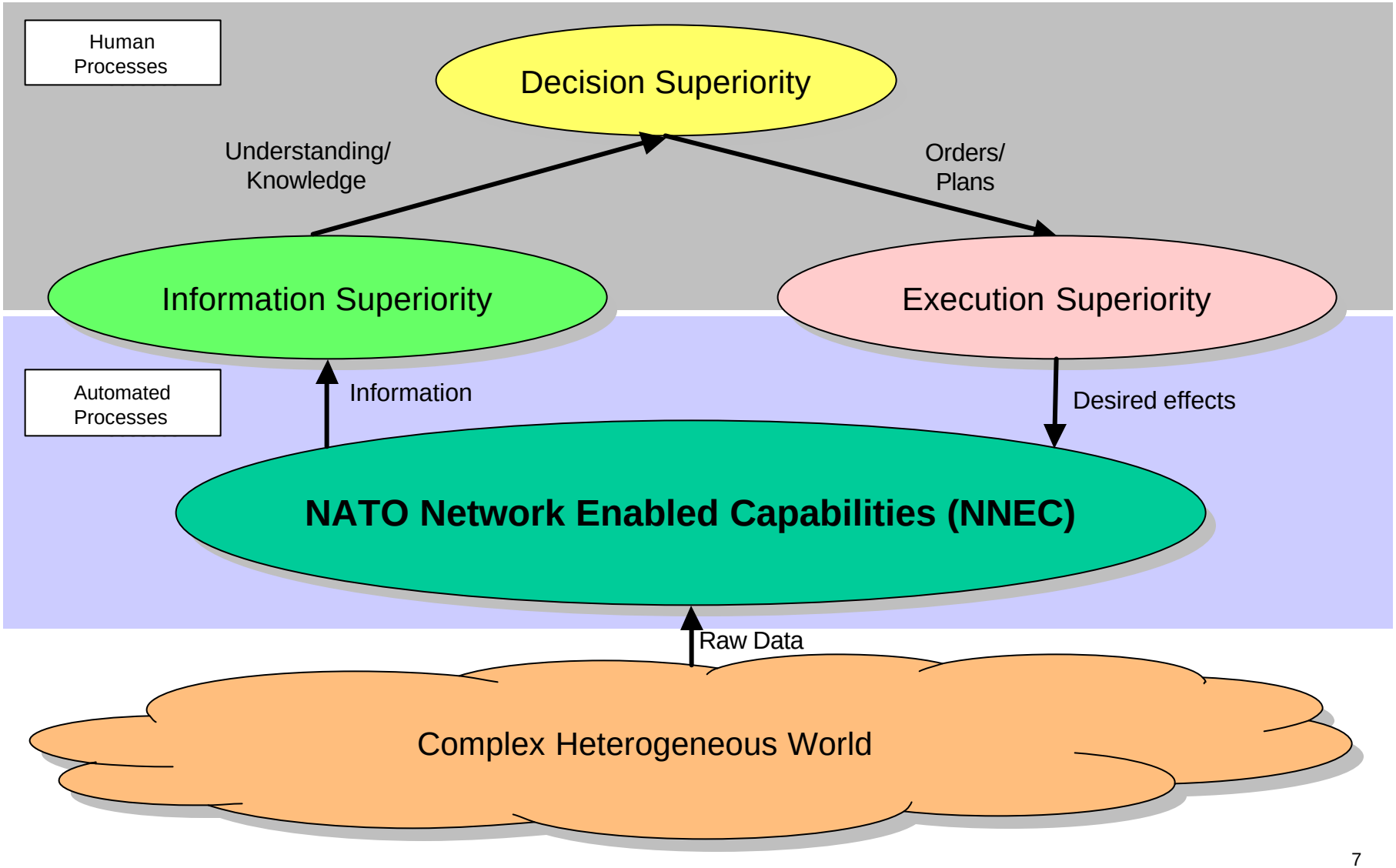
Understanding

Knowledge

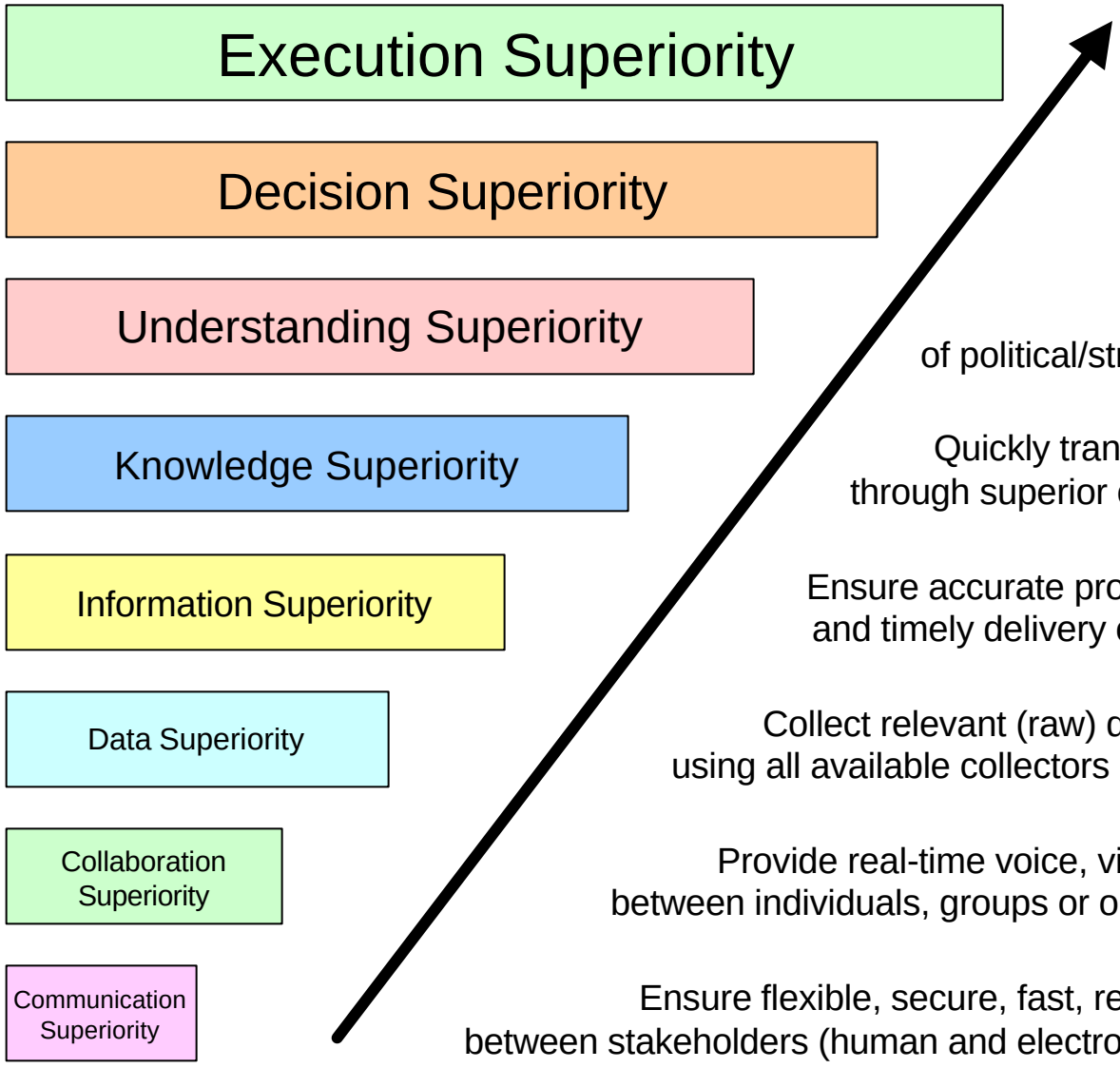
Information

Human Cognitive Processes

Conceptual View



Superiority Ambition Scale



Achieve intended effect.
Sustain mission space domination.

Implement fast, unambiguous and successful decision making process.

Facilitate rapid situational awareness of political/strategic/operational/tactical dimensions.

Quickly transition information to human knowledge through superior organization, filtering and visualization.

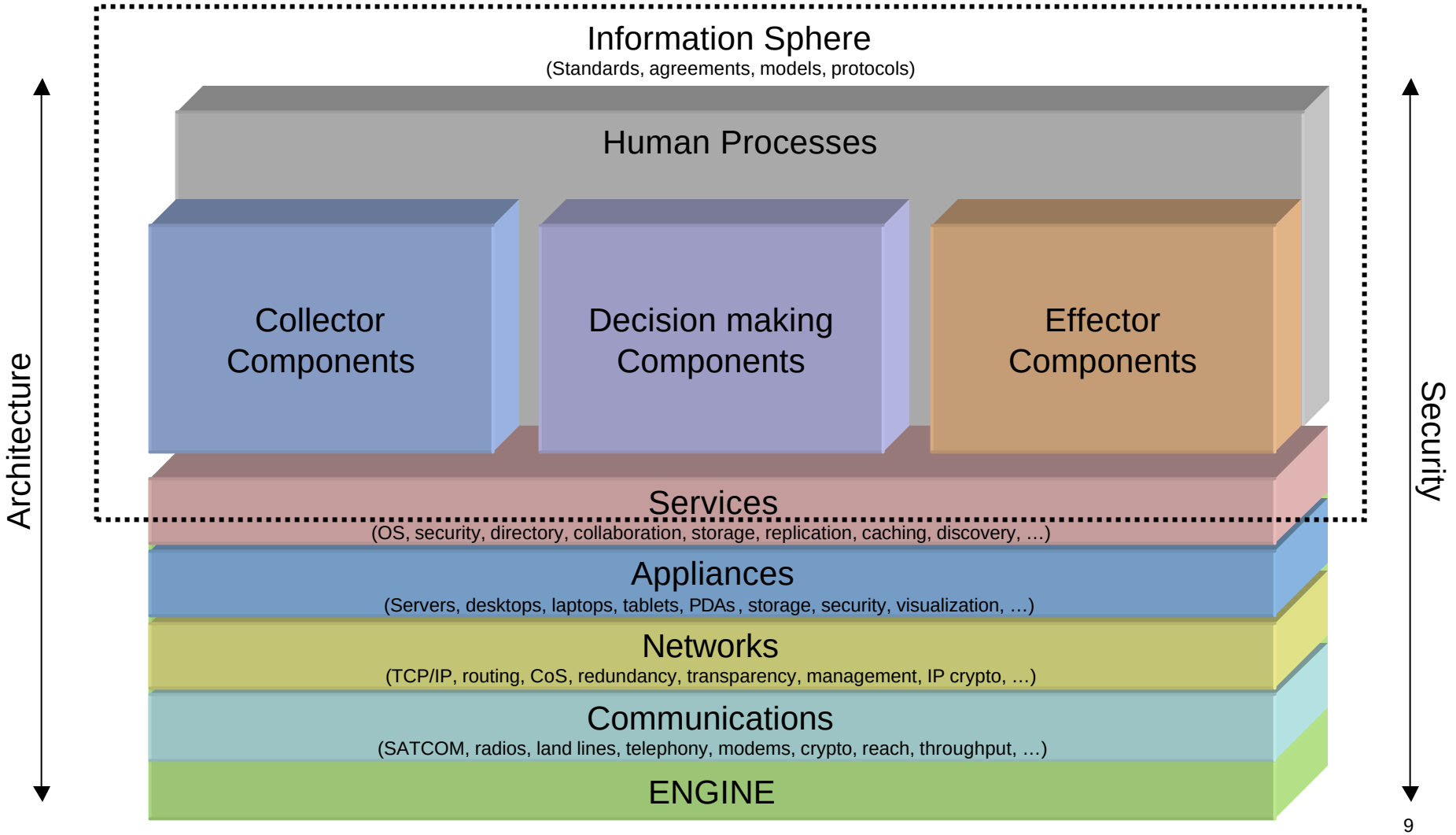
Ensure accurate processing (translation, validation, fusion) and timely delivery of relevant information to stakeholders.

Collect relevant (raw) data for the network-enabled enterprise using all available collectors (human and electronic) and interfaces.

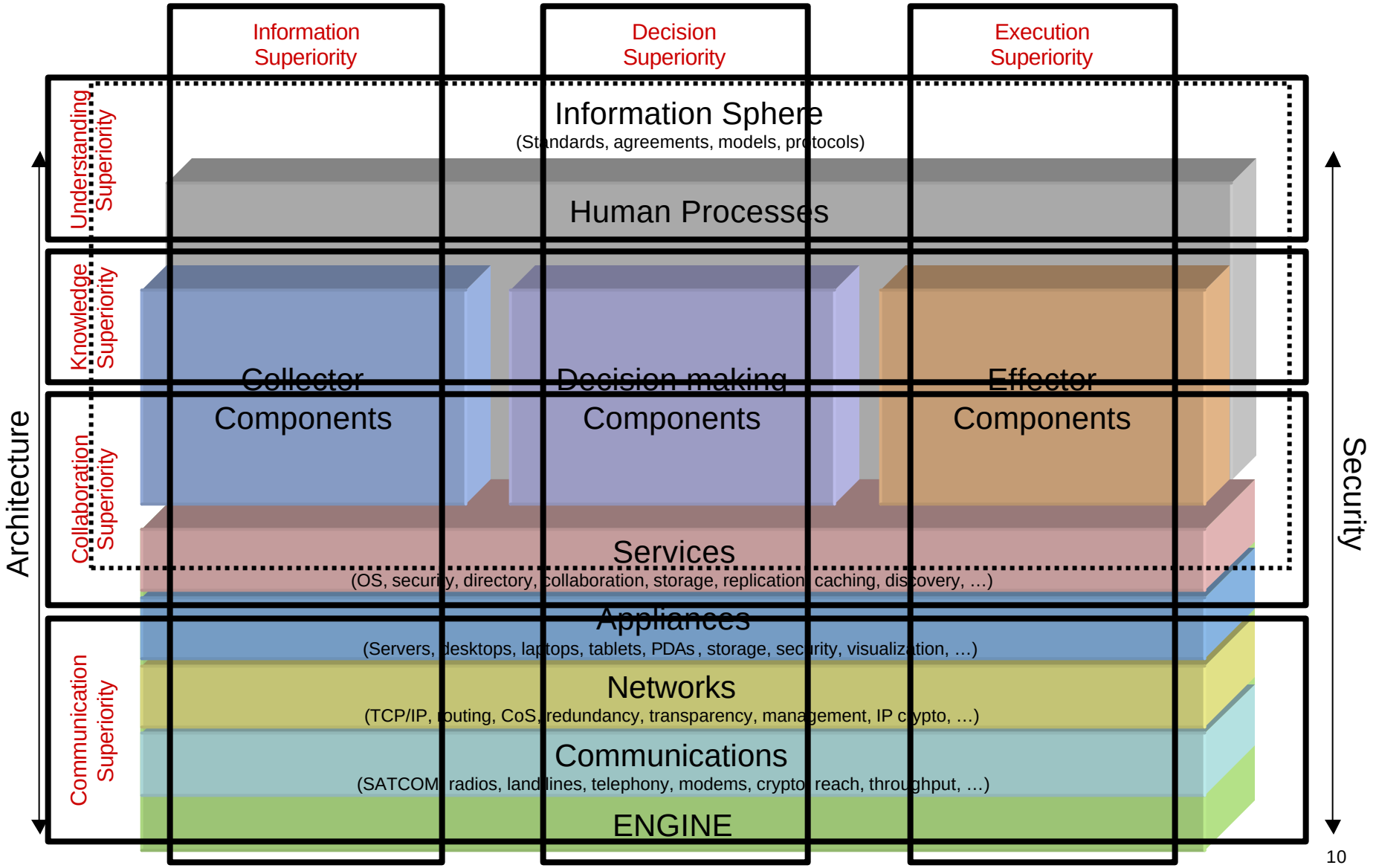
Provide real-time voice, video and data collaboration capabilities between individuals, groups or organizations anywhere on the network.

Ensure flexible, secure, fast, reliable and extendable communications between stakeholders (human and electronic) in the network-enabled enterprise.

Conceptual Framework



Use Framework to Map Ambitions



TIDE Experimentation Focus

- Scaleable mobile server clusters
- Improved human computer interfaces

- Scaleable plug & play architectures
- Automatic discovery and integration

- Simple yet effective web interfaces
- Component based functional services

- Interoperability with partners

MNE Operations Page: CJTF Status Page - Microsoft Internet Explorer

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Address http://wise2.nrf.act.nato.int/MNE3OPs/CommandGro

Go Links

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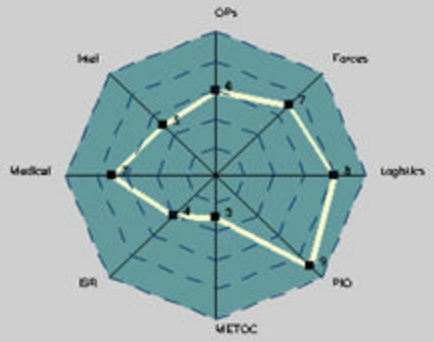
CJTF Status Page

Operations | Planning | Information Superiority | NRF | Library | MNE3 COPS

Status of Operations



Airport / Weapons Depot Security

Name	Overall Status	METOC	Air - Helo	Air - Fixed	Land - Transport	Land - Troops
Kandahar Airport						
Weapons Depot						

Weather Impact

Operation	12 Hrs	24 Hrs	48 Hrs	72 Hrs
Air Helo				
Air Fixed Wing				
Ground - Personnel				
Ground - Transportat				

Commanders Intent

Slide 3 of 8

Latest News

LATEST: MORE THAN 200 INTERNATIONAL D_

Commander's Intent Status

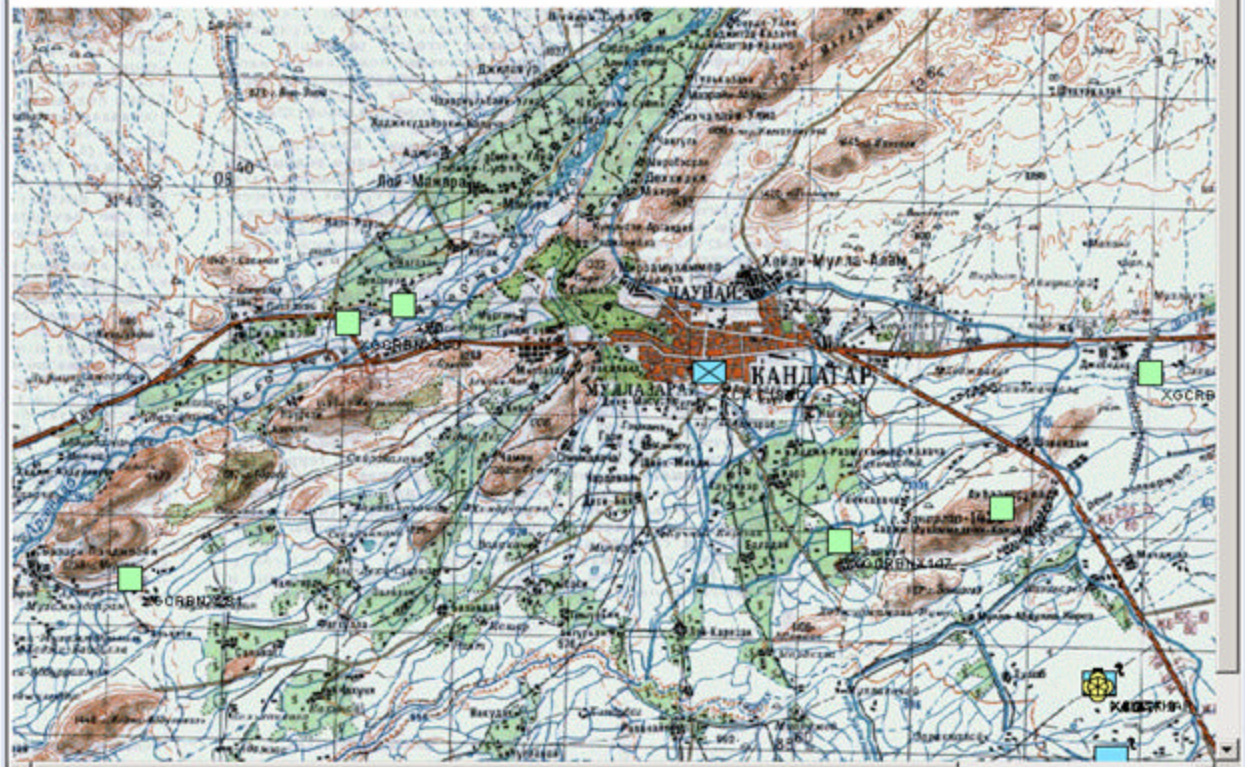
Desired Effects	Overal Status	Comments
Secure Airport / Facilities / Runway		
Airport Perimeter Secure / Recon Teams Deployed		
Weapons Depot - Reinforcement of ANA		
Weapons Depot Secure - Recon Teams Delpoyed		

Kandahar COP

Home | WISE WEBCOPS | Adams

Kandahar Area COP

Select | Zoom | In | Out | Center | Refresh | Reset | Options



Done

Internet

MNE3 WISE SITE: SJF-HQ Operational Site - Microsoft Internet Explorer

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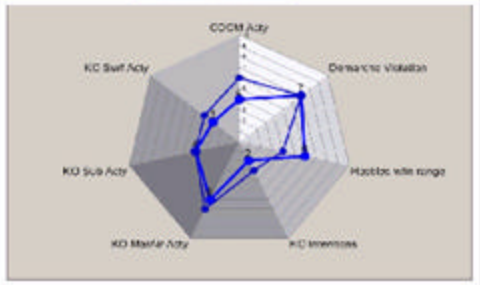
SJF-HQ Operational Site

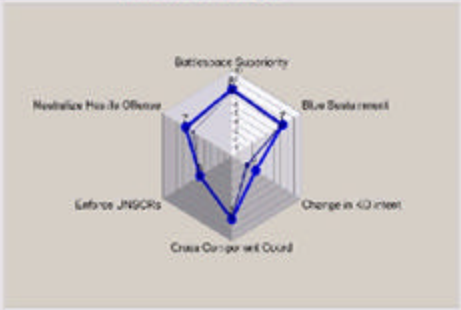
NATO UNCLASSIFIED

Intel | CTF | Metoc | Logistics | NATO Response Force | Missions | ONA | UN Reports and Resolutions

Overall Status



Counter drugs

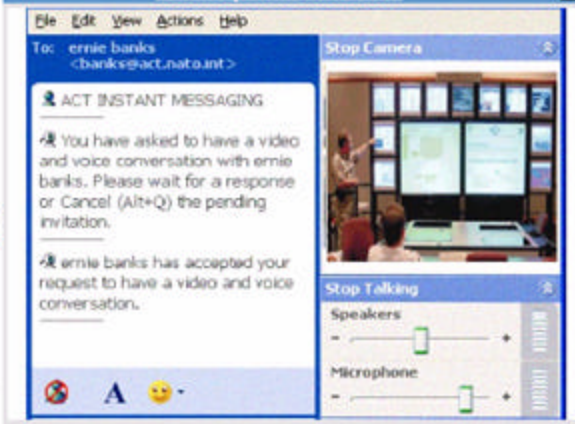


Current OPS

Operation	Mission Status	Sorties	Supplies	Troop Readiness
Red Dog				
Evade				
Ferret				
Force Protect				

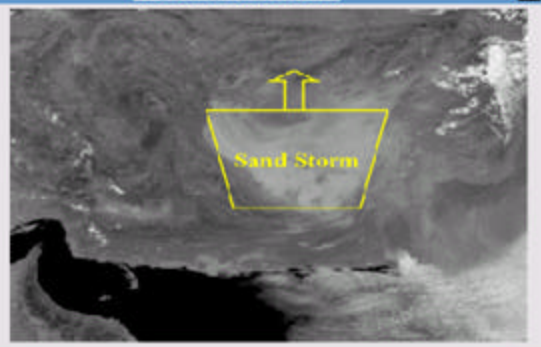
COP

Desktop Collaboration



LIVE CNN Feed

Weather Concerns



Weather Impact

Operation	12 Hrs	24 Hrs	48 Hrs	72 Hrs
Air Helo				
Air Fixed Wing				
Ground - Personnel				
Ground - Transportat				

281555Z JAN 2004 MNE3 WISE SITE Training

http://localhost/mne3/Operationa Local intranet

So what is the message?

- Forget about systems, ...
  think components and services
- Forget about large scale acquisition, …
  think (r)evolutionary spiral development
- Forget about homogeneous solutions, …
  accept heterogeneity and demand
  collaboration and cooperation with partners
- Be flexible and really think outside the box, …
  our opponents certainly are
- Don’t just focus on technology issues, …
  most of our problems are of a human nature